Type B Status

Mark Barton f2f Meeting 2/22/16

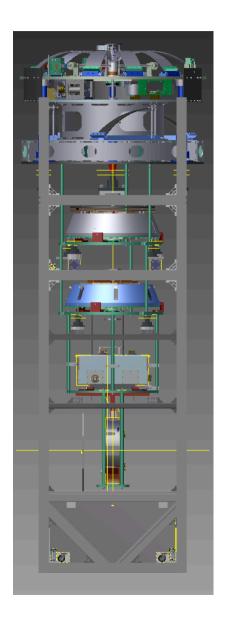
Overview

• Structure:

- Preisolator with inverted pendulum stage and GAS filter
- Standard (GAS) filter
- Bottom (GAS)
- Payload
 - Intermediate mass (IM) and Intermediate Recoil Mass (IRM)
 - Optic and Recoil Mass

• Two variants:

- BS (1 unit; with custom payload for wider optic)
- SR2, SR3, SRM (3 units; with payload as for PRx)



Design/Procurement Tasks

- BS parts mostly done, except:
 - Cable clamps (designed)
 - Sapphire prism (designed)
 - Dummy prism (designed)
 - Secondary prism (designed)
 - Dummy BS (designed)
 - EQ stops for face of BS (designed)
 - Flags (being redesigned)
- Springs for supporting optical bench below BS (designed)
- In-vacuum cables mostly made per D1503600 needs careful check.
- Rack cables need planning
- Assembly frame designed, ordered
- SR prisms need redesign, and RM may need matching modifications

Documentation Tasks

- Payload assembly procedure E1604817 Fabian
 - based on E1503830 (payload), T1503907 (IM) for PR3 (Type Bp Short)
- Overall assembly/installation procedure T1604756 Mark
 - Will draw on on T1604756 for PR3
 - Needs lots of work
- Schematic D1503600 Mark
 - Needs rack cabling added.
- Schedule Mark
 - Needs lots of work
 - Need to do a BS test hang first, starting in May, probably at least two months

